

BASKETBALL FIVE TRIMS NORWICH U. BY SCORE OF 39-25

McDowell and Motter Lead in
Scoring, Each Making
Nine Points

FIRST PERIOD IS FAST

Crowd of 700 Attend Initial
Game Followed By Dance
At Walker

Coach McCarthy's basketball team defeated the Norwich team last Saturday night in the Hangar Gym in a one-sided game by the score of 39 to 25. Although the visitors had the advantage of several games last week to prepare themselves for the game, they did not offer much competition to the Technology offense. The Engineers were able to break through the Norwich defense line regularly and piled up a heavy lead over their opponents early in the game.

MacDowell, Motter Star

Nee, who has been in all of the starting lineups this season in the forward berth, did not play until the last few minutes of the game. His place in the lineup was taken by MacDowell, who played an excellent game in the position. He shared scoring honors with Motter with a total of 9 points for his team. Teachout, Sipsey, and Hartford starred for the visitors each scoring 7 points for their team.

This was the third defeat for the Norwich five in a week, losing to Dartmouth and Harvard by large margins. The game started with both teams trying to pile up a lead, and the ball went up and down the floor most of the first period. Norwich tried to catch the Engineer guards napping by fast plays under the basket, but most of the attempts to score failed. MacDowell, who was playing at forward, broke away several times to score for the Beaver cagers. Harrison, also playing at the forward position, made several spectacular shots and the team piled up a large lead over their opponents. The first period was one of the fastest ever played on the Hangar floor, and more than (Continued on Page 4)

PROFESSOR SAYRE IS BACK FROM EUROPE

Visited Several Foreign Air
Lines During Trip

Completing a brief trip to Europe in quest of aeronautical data for Course XVI, Professor Sayre returned to the Institute Monday. He arrived in New York at 11:30 and made the distance to Cambridge by air in time for his two o'clock class. Professor Sayre was on foreign soil for only two weeks making his headquarters at Paris. During this time he inspected several of the principal air lines of Europe, flew to London and Brussels, and spoke with a number of individuals connected with the industry.

Comparing the progress of aviation in this country to that on the continent, he remarked, "The United States has nothing to be ashamed of. It is now abreast of Europe in air transportation facilities, aeronautical design, and construction." In speaking of Europe's regard for America's advancement in the science of aviation he also remarked that America's proficiency is everywhere respected.

O'BRIEN SPEAKER AT CATHOLICS' MEETING

William H. O'Brien, Director of public utilities in Massachusetts, will be the speaker tonight at a smoker of the Catholic club to be held in North Hall of Walker at 7:30 o'clock. Mr. O'Brien who was a guest of Owen D. Young at the Geneva Conference in 1925, has chosen as a subject for his talk "A Few Truths on Our International Relations—Our Greatest Problem."

In view of Mr. O'Brien's wide experience in international affairs, we certainly expect that his talk will be a very interesting one to the student body of Technology. Elmer C. Hughes '31, secretary of the club, stated at an interview.

Refreshments and entertainment will also be furnished at this smoker which is free to the members of the Catholic club.

Terms of Senior Endowment Policy Nearly Settled

Firm Chosen and Provisions
Will Be Announced Before
End of Term

With a start over all previous Senior Endowment Committees of over three months, this year's Committee, headed by Ralph Rowzee will announce the company and the terms decided upon before the end of the term. By this expedient it is hoped that the time afforded will make the policy more popular and more generally subscribed to than ever before.

Began in November

Beginning their activities in the middle of November, the Committee sent letters to twenty-five insurance companies in Massachusetts, and before Christmas vacation all but four proposals had been eliminated. This is a distinct departure from the customary practice, as the Committee usually begins activities in the beginning of the second term.

Although the percentage of subscriptions to the Endowment Policy has been large in previous years, and gives indication of a rising trend of popular- (Continued on Page 4)

Annual Elections To T. E. N. Boards Announced Friday

Richard T. Kropf '31 Elected
General Manager of
Volume XI

Volume X of the Tech Engineering News came to an official close with the annual banquet held last Friday evening in the Granada Room at Longwood Towers, at which time the elections to next year's boards were announced.

The toastmaster of the evening was Charles C. Ladd '30, retiring General Manager. The speakers were Dean Harold E. Lobdell '17, and Leonard H. Nason, popular writer for the Saturday Evening Post and other publications. Both speakers gave interesting and instructive addresses.

General Manager of the paper for the coming year will be Richard T. Kropf '31, former Circulation Manager of T. E. N.

Other Managing Board elections are as follows: John H. Dodge Jr. '31 formerly Associate Editor, elected to Editor-in-Chief; Christian E. Grosser '31, former Managing Editor, elected to Business Manager; Ernst H. Anderson '32, former News Editor, elected to Managing Editor; Peter P. Shelby '32, former Assistant Publicity Manager; Richard M. Stewart '32 former Assistant Circulation Manager, elected to Advertising Manager; Allan M. Maguire '32, former Assistant Circulation Manager, elected to Circulation Manager; and Clarence M. Chase Jr., '32, and Albert G. Dietz '32, former members of the Editorial Staff, elected to Associate Editors.

The elections to the Editorial Board were: Charles W. Rankin '31, Publication Manager; Alfred F. Stockwell '32, Assistant Managing Editor; John R. McCaa '32, News Editor; and Alfred B. Bergell '32, Assistant Editor.

Articles on Zeppelin Hangar and Cadillac V-16 Feature Jan. T.E.N

Unique Engineering Problems
Discussed in Last Number
Of Volume X

Four articles, including a description of the huge new Zeppelin hangar at Akron, Ohio, and a story of the problems connected with the design of the new Cadillac 16-cylinder automobile engine, make up the principal part of the January issue of the Tech Engineering News, which goes on sale today.

Mark L. Felber, engineer of the Goodyear Zeppelin Corporation describes in detail the construction of the hangar, which has been built for the manufacture and housing of the Navy's new 6,500,000 cubic feet airships, and it is the largest structure in the world to be built entirely without interior supports. It is large enough "to cover the National Capitol, or house the Woolworth Building

PRESIDENT STRATTON REQUESTS ALL FRESHMEN TO HEAR WIDELY KNOWN ALUMNUS AND SCIENTIST



DR. ARTHUR D. LITTLE '85

TAU BETA PI PLANS DINNER TOMORROW

Hovgaard Will Give Illustrated
Talk on Experiences

Professor William Hovgaard of the department of Naval Architecture and Marine Engineering will give an informal talk tomorrow night at an informal dinner meeting of the Technology chapter of Tau Beta Pi, the national scholastic honorary engineering society.

This affair, which will be held at six o'clock in the Grill Room of Walker, is the first of series of informal meetings of a social character that the society is planning during the remainder of the school year. All members of Tau Beta Pi at the Institute whether on the active chapter roll or not, are invited to attend.

Professor Hovgaard's talk will consist mainly of a narration of some of his numerous experiences while engaged in the occupation of building and designing ships. To illustrate his talk, Professor Hovgaard will show some lantern slides. He is a graduate of the Naval Academy of Copenhagen, and the Greenwich Royal Naval College, and at present holds the position of Professor of Naval Design and Construction at the Institute.

HOLD SECOND ALDRED LECTURE ON FRIDAY

Dr. Winslow, Widely-Known
Bacteriologist, is Speaker

Dr. Charles-Edward Amory Winslow '85, widely known biologist and bacteriologist, will be the second speaker on this year's series of Aldred Lectures, the second lecture being scheduled for Friday of this week.

Dr. Winslow has had a long and varied career, beginning with his graduation from the Institute with the degree of Bachelor of Science in 1898. He received his M. S. the following year. He has been the recipient of a large number of honorary degrees from various institutions. Dr. Winslow is a former member of the faculty at Technology, and served on the staffs of several other universities. He has also served on several League of Nations Commissions. He is the author of many books relating to Bacteriology, Microscopy, and Public Health.

REOPEN SALE OF '30 PROM SIGNUPS TODAY

Desk Will Be Maintained in
Lobby From 12 to 2

Sale of the signups for the Junior Prom will open again tomorrow and will continue throughout this week. The price of the signups as usual will be \$5 and they may be obtained any day between 12 and 2 o'clock in the Main Lobby.

Table reservations may be made at the same time but they must be paid for by Wednesday. Any reservations made after this date must be paid for when made. Redemption of the signups will begin on Registration Day and will continue until a few days before the Prom. The price of the redemption will be \$7.

WILL GIVE LECTURE ON USES OF LUMBER

"Correct Uses of Lumber in Construction" will be the title of a lecture to be given by William F. Shaw of the National Lumber Manufacturers Association from 1 to 3 o'clock on Friday, January 17, in Room 5-226. This lecture will deal with some of the common mistakes that are made in selecting lumber for construction and the correct lumber to use.

CHEMISTRY TOPIC OF 1933 LECTURE BY DOCTOR LITTLE

Well-Known Alumnus to Ad-
dress Freshmen in Third of
Lecture Series

BIG ATTENDANCE ASKED

Dean Lobdell Asks Aid of the
Officers of Freshmen
In Regan Note

Dr. Arthur D. Little, well-known chemist and alumnus, will address the Class of 1933 today at three o'clock in Room 10-250. President Stratton expects every member of the class to attend the lecture.

In a letter to John W. Regan Jr., president of the freshman class, Dean Harold E. Lobdell said in part:

"On Monday January 13th, the Freshman class is to be addressed by Dr. Arthur D. Little '85. I am writing to ask if you and the officers of the class will not cooperate with me in securing a large attendance at this lecture.

"Dr. Little will speak on the general subject of 'The Science and Profession of Chemistry'.

"Dr. Little's lecture will be the last during the first term and we contemplate one more freshman lecture this year to be given on February 17th by Colonel Gow.

"Any assistance that you and the officers of the class can render in securing a large audience for Dr. Little will be greatly appreciated."

Dr. Little has won world renown as a chemist since his graduation. He received his early education in Portland, Maine, and at the age of twelve became imbued with the idea of being a chemist, as a result of a youthful experiment in the manufacture of hydrogen. While at the Institute he was one of the founders of THE TECH, and in 1884 was the Editor. Upon graduation he became a chemist with the Richmond Paper Company. In 1886 (Continued on Page 4)

FIRST GAME-DANCE DRAWS LARGE CROWD

Next Affair Will Be Held After
Opening of Second Term

More than 350 couples were present at the basketball-dance held in the Main Hall of Walker Memorial last Saturday and the dance proved to be such a success that there is little doubt that dances of this type will be held in the future.

Roy Lamson and his Harvardians furnished the music for the affair which was a revival of the dances held a few years ago following basketball games. Dancing began immediately after the conclusion of the game and continued until 12 o'clock.

Due to the fact that examinations are only two weeks away, the next basketball-dance will be held in February, sometime after the beginning of the second term. No definite arrangements have been made as yet and the exact date will be announced in a future issue of THE TECH.

CHEM SOCIETY WILL VISIT LOCAL PLANTS

Members of the MIT Chemical Society will make their first trip of the year, tomorrow afternoon when they visit the Cambridge plants of the New England Confectionery Company and the Ward Baking Company. This trip taken last year proved one of the most interesting and well attended of the season. It is expected that a large number of students will be on hand for the visit to the home of NECCO wafers.

Students wishing to make this trip with the Chemical Society are asked to meet outside Room 10-100, at two o'clock tomorrow afternoon.

A Record of
Continuous
News Service
for 48 Years



Official News
Organ of the
Undergraduates
of M. I. T.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

MANAGING BOARD
D. T. Houston '30.....General Manager
W. F. Howard '30.....Editor
C. Connable '30.....Managing Editor
G. Smith '30.....Business Manager

ASSOCIATE BOARD
R. Davis '31.....News Editor
W. N. Currier '31.....Sports Editor
E. B. Hubbard '31.....Features Editor
E. S. Worden '31.....Make-up Editor
G. M. Roddy '31.....Advertising Manager
H. T. Truax '31.....Business Service Mgr.
J. K. Minami '31.....Circulation Manager

EDITORIAL DEPARTMENT
Editorial Board
L. Verveer, Jr. '30 W. B. Schneider '31
NEWS AND SPORTS DEPARTMENTS
Night Editors
J. W. Bahr '31 M. F. Burr '31
F. C. Fahnstock '30 E. W. Harmon '30
News Writers
A. H. Feibel '32 S. R. Fleming '32
M. S. Hathaway '32 E. P. Newman '32
O. W. Burtner '31 E. F. McLaughlin '32
G. H. Sistare, Jr. '32
Photographic Staff
P. H. Bonnet '31 J. P. Elting '31
Sports Writers
O. C. Chapman '31 P. A. Robert '32
Reporters
H. Kamy '31 J. H. Coenen '32
P. E. Davis '32 E. Shea '32
W. L. Sheppard '32 C. W. Sweetser '32
J. L. Friedman '32 D. H. Clewell '32
W. V. Sikes '32 R. J. Dunlavy '32
A. G. Bowen '32 J. T. Groff '32
A. H. Munson '32

OFFICES OF THE TECH
Walker Memorial, Cambridge, Mass.
News and Editorial—Room 3, Walker,
Telephone Univ. 7029
Business—Room 302, Walker,
Telephone Univ. 7415
Printer's Telephone—Hancock 8387 - 88

SUBSCRIPTION PRICE, \$2.50 PER YR.
Published every Monday, Wednesday
and Friday during the college year
except during College vacations
Entered as Second Class Matter at the
Boston Post Office
Member Eastern Intercollegiate
Newspaper Association

BUSINESS DEPARTMENT
Business Service Department
Staff
W. Holst '32 J. Valverde, Jr. '32
R. T. Hodgdon '32 G. H. Ropes '32
C. M. Thayer '32
Assistant Circulation Managers
W. M. Moore, Jr. '32 J. J. Winkler '32
E. D. McLeod '32
Circulation Department Staff
L. Cianciolo '32 W. B. Pierce '32
S. L. Johnson '32
Advertising Department
Assistant Advertising Managers
R. H. Haberstroh '31 W. H. Barker '32
W. B. Simonds '32 A. S. Ellis '32
M. D. Triouleyre '32
Staff
L. C. Bond '32 C. E. McCormack '32
A. Jewell '32 E. F. Moran '32
T. E. Sears, Jr. '32 K. G. Bell '32
A. L. Berry '32 M. L. Brown '32
J. R. Henshaw '32

In charge of this issue: O. Whitmore Burtner, Jr., '31

UNSYMPATHETIC GREEKS

WHILE general student attitude is enthusiastic in carrying out the "Use Walker" campaign, the Interfraternity Conference's action is hardly in accord with this idea. At the last meeting of this body it was voted that the next Interfraternity Dance shall not be held in Walker Memorial. If it is possible, we urge that this opinion be reconsidered at the January meeting next Tuesday.

Since the last meeting was on December tenth, it seems likely that the members of the fraternity group had not fully realized the possibilities of the Main Hall as a ball room for their parties. Their meeting preceded by a few days the Senior Dance—if the reverse had been the case, their action would have been worthy of severe criticism. As it is, the vote may be condoned as coming from men not fully informed of the facts.

The only other explanation is that the fraternity representatives feel that their dances are of a type distinct from the usual Technology affair. If they insist on standing aloof, they imply that the Interfraternity dances require the more lenient hospitalities of a suburban hotel. Such a suggestion reflects on the men, and is not the case.

When the Conference realizes the situation, they cannot but see that the wise course is one of reconsideration. That the Senior Dance was a success in every respect no one will deny. It was difficult to believe that the ball room was the workaday Main Hall. Warm lighting effects and comfortable furniture had transformed it. No one may legitimately raise an objection to the dance floor. The new preparation used on it was most satisfactory. The enjoyment of the large crowd was unmarred.

An entirely different, though equally successful function was the informal dance after the basketball game last Saturday evening. A crowd which filled the Main Hall to overflowing was unanimous in its approval of the new idea.

Interfraternity dances have so much to offer in the way of an enjoyable, inexpensive evening that we cannot but be certain that they would be equally popular in Walker. The dormitories, the student body as a whole and various small undergraduate societies are cooperating in the agitation for changes in Walker. It would seem fitting that the fraternities join in the effort.

RISING STEAM

ALTHOUGH the Patent Office is receiving a constantly increasing number of patent applications from omniferous inventors all over the country, ninety percent of them will never see commercial, widespread use. There is a decided difference between an inventor and a dreamer, notwithstanding both are fired by the same fuel. There is always room for inventions, but there is never room for contraptions.

A plumber, cramped and stifling between floor joists, hopes to goodness that some day there will be a method to eliminate threaded joints and elbows at partition junctions, and a pipe that snakes around corners, like electric cable, results from the thought. The steward on an Austrian sleeping car breaks the cutting blade off his can-opener and, in the emergency, attaches it to a piece of wood, drives a nail at the other end, taps the dingus in a circle and is a made man.

Mrs. X, weary of lifting the hinged lid of the garbage bucket, forks it open with a stick, and her ingenious husband adds a foot lever; and international kitchens inherit the convenience. John Doe jabs the customary ice pick into a cardboard milk seal, splashing the contents in all directions. On the next bottle, Mr. Doe carefully tears a small tab and easily lifts off the seal and another nuisance is disposed of.

Alertness, ingenuity and optimism are perhaps the prime requisite for an inventor, no matter of what degree. If Mr. Edison had not realized the need for better lighting,—he wouldn't have gone on; if he had not been the possessor of a "source of mind"—he wouldn't have gone on; if he had not believed there was a better way, he couldn't have gone on.

Each new invention demands improvements and accessories. Steam still rises from tea-kettles for reflective young James Watts, with the difference that there are a great many more tea-kettles than ever.

Will the Stock Market Crash Affect College Enrollments?

Editor's Note: We are indebted to the Boston Transcript for the interesting discussion herewith printed concerning the effect of the recent stock market crash on college enrollments. It is the opinion of the author of this article that no serious effect will be forthcoming, but that the post-war rush to enter college has definitely ceased.

The answer to the question "Will the recent upheaval in the stock market have any effect on college enrollments for the academic year 1930-1931?" will not be forthcoming for some months yet. The chances are that there will be but slight abatement traceable to Wall Street losses in the flood of students matriculating next September. If the automobile industry looks forward to almost as much business this year as last, why shouldn't the colleges? Both are placed in the luxury class by some people, in the necessities group by others.

A fraternity's national officer, reporting at a conclave in New York city during the Christmas holidays, declared that many students had been forced to withdraw from America's colleges and universities during the last two months because of the straitened financial circumstances of their parents who had been "paying the freight." But there are no more figures available to support this declaration than there are to justify the prediction that there will be a noticeable slump in freshman enrollments eight months hence.

One close observer of affairs collegiate with whom I have daily contact doesn't foresee any shrinkage of entrants and points out that about the last move the ordinary father would make in financial retrenchment would be to swing the axe on his own son's or his daughter's higher education.

But I am getting way ahead of my story, for this, the Transcript's nineteenth annual survey of college enrollments, is concerned with this year's actualities and not next year's possibilities or probabilities. Of course the principal purpose of our survey is, as it has been for so many years, to discover the rate at which the enrollment of the colleges and universities has increased. And this is what we find:

| Year | Per Cent Gain |
|---------|---------------|
| 1929-30 | 3.5 |
| 1928-29 | 3.0 |
| 1927-28 | 4.8 |
| 1926-27 | 4.7 |
| 1925-26 | 5.1 |
| 1924-25 | 6.5 |

College enrollments continue to be a favorite topic of conversation whenever and wherever higher educators assemble, formally or informally, to discuss common problems. It's an absorbing and brow-furrowing puzzle, this seeking to discover some highly sensitive educational yardstick by which may be separated the wheat from the chaff, by which sorely harassed college entrance officials may decide who shall and who shall not be permitted to enter upon the winding academic highway which leads to a degree.

Uniform methods of selection are nonexistent. The past half decade has witnessed an unprecedented amount of experimentation in the realm of entrance measurement. Colleges which formerly judged prospective students entirely by the marks achieved in formal examinations now indulge in physical, intelligence and even spiritual tests. Character testimonials, extra-curricular activity records, all sorts of things are now taken into consideration which were formerly ignored.

Because the colleges—especially the small private ones—have been all but swamped by the tide of applicants which has swept in upon our higher educational shores since the trenches over across were evacuated, entrance boards have been enabled to become increasingly "snooty," more and more rigid in their exacting requirements. Higher and higher go the bars and higher and higher climbs the caliber of those permitted to carry on their education beyond the secondary stage. Every time I inspect the entrance literature of a New England college I thank my lucky stars that I entered when I did. And there are others.

Some day our foremost educators may agree on the most efficient means of separating those who should be permitted to go on to higher education from those who shouldn't, but that day is not yet. Less than a fortnight ago I sat in front of the fireplace in the home of one of New England's ranking college presidents and listened attentively while he raked over the coals the entrance ideas of a sister institution. And very likely I could go to that sister institution and sit in on a similar indignant explosion.

Phenomenal Rush Ended

The phenomenal rush of new students into America's colleges, which has increased the total enrollment from 200,000 in 1913 to more than 850,000 today, has come to an end. There is no doubt of it. President Emeritus Charles F. Thwing of Western Reserve University, close student of educational trends, believes that

college enrollment in proportion to population will remain at its present level indefinitely. He ascribes the heavy increases since the war to ten causes, which, he points out, by now have exerted their full influence and brought about the maximum enrollment to be expected under current economic and social conditions. These are:

Increased prosperity and higher living standards, which have resulted in many families sending sons and daughters to college for the first time.

The most evident and immediate cause has been found in the increase in enrollment of high school students. The high school increase in the last decade represented a doubling.

The increased number of high school courses which are acceptable for college entrance.

The increased number of vocational and popular courses offered by the colleges.

The increasing tendency of law, medical and other professional schools to demand a liberal education of their candidates, resulting in added enrollment in the arts and sciences.

The importance recently placed on social advantages of college life.

A vast increase in scholarships and loan funds for worthy students.

The growth of part-time and evening courses in metropolitan colleges.

The growing insistence of business organizations on college-trained workers.

Ambitions for education aroused by war-time associations and experiences.

This year, in the ninety-three institutions of higher learning which The Transcript accepts as representative and inspects in its annual survey, there are 1082 more freshmen than were enrolled twelve months ago, an increase of 2.6 per cent. Last year there were less freshmen on the books than for the same period in the preceding year. These ninety-three colleges and universities have an aggregate enrollment of full-time students—excluding evening, summer school and extension students—of 326,325, whereas last year's figure was 315,128. This is a gain of 11,197, or of 3.5 per cent.

The Transcript's compilation, let it be said for the nineteenth time, is frankly incomplete; it leaves hundreds of worthy colleges and universities entirely out of the reckoning. But, as has been pointed out in other years, bounds have to be established somewhere in order to keep our article within limits suitable for newspaper publication. The colleges selected are representative. The small and large, private and State, men's and women's, co-educational and co-ordinate, city and country, sectarian and non-sectarian, athletically and non-athletically inclined—all are represented at least once in our survey. Practically every State has a representative on the list. —From the Boston Transcript.

Textile Research Class Consists of Mill Executives

Prof. Haven Conducts Course—Most of Students are Of Middle Age

A unique class, composed of twenty men and one woman, most of them above middle age, is the one taking the special course in Textile Research recently inaugurated by the Institute. This course, which is taught by Professor George B. Haven '94 of the Mechanical Engineering Department, has been designed for the benefit of mill operators and executives who wish to learn more of the scientific side of the textile industry, and has been so successful that another class of twenty-two will begin the intensive six-weeks' session next semester.

The course is thorough and covers every phase of textile testing and textile microscopy. Under the first reading comes the design of testing laboratories and their necessary apparatus. This apparatus includes thread counting devices, twist counters, cord testing machines, fabric testing machines, tensile testing machines, and conditioning apparatus.

The course in textile microscopy includes instruction in the use of various types of instruments, their fields of application, advantages and limitations, and the component parts of the microscope and its manipulation. This is followed by instruction in the optical details of the microscope and the path of light rays through the optical system. The process of mounting specimens, of measuring textiles with the microscope, the making of cross-sections of textiles, the relation of color to microscopy, the analysis of fabrics and yarns, and the identification of fibers make up the rest of the course.

Play Directory

STAGE

COPLEY: "The Middle Watch." Naval farce on a British man-of-war.
HOLLIS: "Pygmalion." One of Shaw's best-liked plays. Concludes the Theatre Guild's season here.
PLYMOUTH: "House of Fear." Standard mystery play. The last week.

TREMONT: "Hot Chocolates." Harlem is well represented in this typical revue.

SHUBERT: "Pleasure Bound." Non-sensical musical comedy and machine-like dancing.

MAJESTIC: "Mlle. Modeste." Fritz Scheff stages comeback after 25 years in delightful Victor Herbert operetta.

SCREEN

METROPOLITAN: "The Kibitzer." Also Amos 'n' Andy. Enough Said.

REPERTORY: "The Thief of Bagdad." Revival of one of Fairbanks' best pictures. Thursday: Thomas Meighan in "The Arlequinade."

OLYMPIA AND UPTOWN: "The Love Parade" with Maurice Chevalier. Light and amusing with a musical operetta turn.

PARK: "The Lost Zeppelin." South Pole stuff.

KEITH'S: "The Sky Hawk." War aviators, Zeppelin raids, plane crashes.

STATE: "Dynamite." Society girl marries coal miner on eve of his execution for murder, etc.

FENWAY: "Applause." Helen Morgan as "an aging burlesque actress." Enough of this.

KEITH-ALBEE: "His First Command." With William Boyd. Also the "Believe it or not" man.

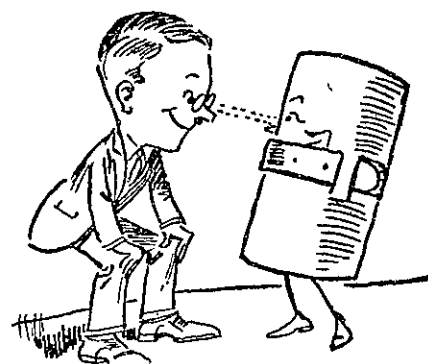
Intercollegiates

Statistics compiled by Dean Raymond Walters of Swarthmore college show that 442,493 students are enrolled in the 226 colleges and universities on the approved list of the Association of American Universities. This is an increase of one and one-half per cent over figures for 1928.

The grand total enrollment, which includes part-time and summer-session students, is 697,584, an increase of two per cent over last year. Forty-four per cent of this total are enrolled in the 25 largest universities, the figures reveal. The University of California leads in full time enrollment, having 17,242 students within its various branches. Columbia university leads in the grand total attendance with 33,367 students.

Fewer universities than last year report decreases in enrollment Dean Walters stated. He also added that such decreases were for the most part slight. Those colleges reporting increased enrollment, on the other hand, were more numerous. Sixty-one institutions in the same classification as Lehigh were included in this group.

The average student at the University of Oregon is 20 years old. One student is 15, while 11 are 16. Twelve of the seniors are 19 years old.



You can look at our clothing and then at your purse, and feel no disappointment in either case.

For while we often hear that our young men's suits and overcoats are of exceptional value, we never give anyone the chance to say that our prices take advantage of that fact.

ROGERS PEET COMPANY
formerly
Macullar Parker Company
Tremont Street at Bromfield

WARNER IS CHOSEN NEW PRESIDENT OF ENGINEERING BODY

Society Elects Secretary of
Navy for Aviation as
Next Officer

HOLDS PROFESSORSHIP

Retains Position as Absentee
Aeronautics Professor
At Technology

Edward P. Warner '17 was announced to be the new president of the Society of Automotive Engineers, Friday night in New York City. Mr. Warner was formerly the head of Course XVI in the Institute, and following this held a position as assistant Secretary of Navy for Aeronautics.

After being graduated from Harvard in 1916 with the degree of bachelor of arts, Mr. Warner entered Technology as a student and obtained the degree of bachelor of science in 1917. In 1919 he gained the degree of master of science at the Institute to add to his honors. During the World War he was employed as aeronautical engineer for the Air Service in



EDWARD P. WARNER '17

the field of research, and at the same time was an instructor of the military in aeronautical engineering given at Technology at that time.

Directed Research Work at Langley Field

A short while later Mr. Warner was appointed chief physicist for the National Advisory Committee on aeronautics. In this position he was the director of aeronautical research work at Langley Field, Virginia. During the period at the close of the war, he was detailed for work on the committee as technical assistant in Europe. In this status he has made repeated trips abroad to investigate the possibilities of aviation there with particular reference to commercial operation. Since 1920 he has been a member of the faculty at the Institute.

Named Head of Naval Aviation

Following the enactment by Congress of a law providing for assistant secretaryships in aviation for the War, Navy and Commerce Departments, President Coolidge named Mr. Warner first Assistant Secretary of Navy for Aviation. This appointment was duly confirmed by Congress early in the summer of 1926, and immediately he made a nation-wide trip of inspection in connection with his new work.

Mr. Warner is the author of about 80 published reports and papers, including one entitled "Commercial Aviation in the Eastern Hemisphere" which was presented before the Annual Meeting of the Society of Automotive Engineers in 1921. Among other papers which he has presented to the society, in which he formerly held the office of Councilor, are: "Airplane Performance Formulas," "Design of Commercial Airplanes," and one on "Commercial Aviation."

PLAN MODEL OF U. S. FOR CHICAGO FAIR

As a feature of the Chicago Century of Progress Celebration in 1933, a replica of the whole United States, made to a scale of one foot to a mile, is being planned by Dr. Henry A. Beuhler, state geologist of Missouri. The model will be about half a mile long and a quarter of a mile wide.

Bodies of water, according to the proposal, would be represented by actual water, and the rivers would be flowing streams. It is also proposed that a narrow railway be built over the area following the routes of the principal trunk lines equipped with miniature trains large enough to carry visitors. The round trip would cover about one and a half to two miles of riding.—Fro mthe Michigan Daily.

Varsity Tankmen Defeat Bowdoin In Opening Meet

Jarosh and Torchio Win Two
First Places Each in
Racing Events

Technology's mermen opened the Varsity season with a crashing victory when they swamped the Bowdoin aggregation by the score of 54-23 at the Varsity Club pool on Friday evening.

Excellent form was shown by the Engineers, first place being captured in every event but the breast stroke race. The outstanding performances were turned in by Jarosh of Technology and Locke of Bowdoin. Swimming in three grueling events, Jarosh succeeded in winning the 440-yard free-style and the 150-yard backstroke swims, and was a member of the winning medley relay team. He led the field by 25 yards in the quarter-mile swim and won the backstroke event by ten yards. Jarosh, incidentally, was the highest scorer in the meet. Locke of Bowdoin, breaking the Technology record, captured the 220-yard breast stroke in the sensational time of 2 minutes, 48 seconds.

Engineers Win Medley Relay

Although Bowdoin came in first in the medley relay, the race was credited to Technology due to the fact that one of the Bowdoin men made a backstroke turn incorrectly, disqualifying his team. Baker gave a fine performance as anchor-man on the relay.

In the medley race, which consisted of back stroke, breast stroke, and free style, Appleton, who was the only entrant for the Engineers, swam a great race and won with ease over the two Bowdoin competitors. He showed good form in this event and his work gives promise of big things in future meets.

Captain Torchio, who stood next to Jarosh in the total number of points scored, had no difficulty in carrying away first honors in the 50 and 100-yard swimming events. In the shorter race Teague scored a point for the Engineer team by winning third place, while Lutz did the same in the 100-yard swim.

Diving Event Close

Lykes of Technology and Chalmers of Bowdoin ran up very close scores in the diving, and both had a creditable number of points in the final scoring. Lykes won the event with a total of 72.9, while his opponent was close behind with 70.3. McMinn of the Engineers placed third in this event with 59.1 points.

The only event of the evening which was not won by Technology was the 200-yard breast stroke. In this race Locke of Bowdoin and his teammate, Dinsmore, won first and second respectively in record-breaking time. Appleton took third place in the event.

Win Relay

The Engineer team, composed of Lutz, Teague, Baker, and Torchio, took the 220-yard relay race in 1 minute, 46 3/5 seconds.

Other winners for the Engineers were Rineheimer and Levinson, who took second place in the 440-yard swim and the 150-yard breast stroke respectively.

This is the first meet in which the Bowdoin swimmers have ever come to Boston as a complete team. In the past the Technology squad has always made the trip to the Maine college for the annual dual meets.

The Summary

Medley relay (Back-stroke, breast-stroke, and crawl): Won by M. I. T. (Jarosh, Appleton, Baker). Time 3:35. 50-yard dash: Won by Torchio (M. I. T.); second Taylor (B.); third, Teague (M. I. T.). Time 0:25 3-5.

440-yard swim: Won by Jarosh (M. I. T.); second, Rineheimer (M. I. T.); third, Bowman (B.). Time 6:20 2-5.

Medley swim (Back-stroke, breast-stroke, and free-style) Won by Appleton (M. I. T.); second, Sperry (B.); third, Easton (B.). Time 8:15 1-5.

Dive: Won by Lykes (M. I. T.); second Chalmers (B.); third MacMinn (M. I. T.).

150-yard back-stroke: Won by Jarosh (M. I. T.); second, Levinson (M. I. T.); third, Sperry (B.). Time 2:00 1-5.

100-yard dash: Won by Torchio (M. I. T.); second, Taylor (B.); third, Lutz (M. I. T.). Time 1:00 3-5.

200-yard breast-stroke: Won by Locke (B.); second, Dinsmore (B.); third, Appleton (M. I. T.). Time 2:48.

200-yard relay: Won by M. I. T. (Lutz, Teague, Baker, Torchio). Time 1:46 3-5.

MIDWINTER FACULTY CLUB SOIREE GIVEN

"An Evening of Tone and Color" will be the motivating spirit of the Faculty Club Annual Midwinter Soiree, which will be held in the North Hall of Walker on Thursday, January sixteenth at 6:30 o'clock.

The program will be presented by Sumner R. Vinton, world traveller and lecturer, and S. Brainerd Vinton, pianist and composer. It will consist of selections from the music of McDowell, which picture musically the beauties of nature.

The soiree is for members of the Faculty Club and their guests, and the only charge will be the dinner expenses, \$1.50 a plate. Reservations may be made with Professor L. F. Hamilton, in Room 2-325.

CAPT. LADD TAKES TWO FIRST PLACES IN HANDICAP MEET

Thorsen, Starting at Scratch,
Wins 1000 in Best Time
Of Afternoon

HURDLES BY STEVERMAN

300 and 600 Yard Dashes Won
On Best Time—Berry
Wins Long Dash

Considering the condition of the track for Saturday afternoon's handicap meet, the times turned in were exceptionally good for this time of the year. The best time of the day was made by Leon Thorsen in the 1000-yard run. He won first place in this event from scratch in the comparatively fast time of 2 minutes, 28 seconds. Starting from 25 to 45 yards behind the rest of the field he drew up even with the major portion of the runners at the end of two laps and at the end of the third lap was leading the field. He finished well in front of the other runners with plenty to spare.

No Field Events Held

Only the track events were held during the meet due to the fact that all the Varsity men in the high jump and shot, put were scheduled to appear in the Boston Y. M. C. A. meet Saturday evening. The five events held were the 45-yard low hurdles, 45-yard dash, 300-yard dash, 600-yard run, and 1000-yard run.

Baltzer, Wall, and Corson started off in the low hurdles race in the first heat and finished in the order named. Baltzer was not pressed and won his heat in 6 3/5 seconds. In the second heat, Steverman took first place in 6 2/5 seconds. Flanders was close behind him to take second while the third man failed to finish due to a fall on the second hurdle. The final of this race was taken by Steverman in much better time than he took the trial heat. His time for the final was 6 seconds flat. Baltzer was second while Flanders took third place. All men entered in this event started from scratch.

Five Trial Held In 45

Five trial heats and two semi-final heats were run in the 45-yard dash. In the first heat, Kreuscamp was the winner in 5 3/5 seconds while Prescott took second place. Berman won the second heat in 5 2/5 seconds with Mulliken as second man. The first man to cross the line in the third heat was Soisalo, with Broder close behind. The time for this race was 5 1/5 seconds. Lappin and Rosenthal finished in first and second place in the fourth heat. Lappin's time was 5 2/5 seconds. Ladd won the fifth and last trial heat in 5 3/5 seconds, while Hughes took second place.

Ladd Wins Three Races

Lappin, Soisalo, and Rosenthal finished first, second, and third in the (Continued on Page 4)

JANUARY T. E. N. ON SALE WEDNESDAY

Zeppelin Hangar and Cadillac
Engine Described in
This Number

(Continued from Page 1)

engine is handled in no less interesting fashion by Adam K. Stricker '29. The articles discusses the V-16, the first 16 cylinder car to be put into regular production, "as an illustration of how a design may be selected to meet certain demands, and how, when the initial factors are once selected, the entire design is immediately interlocked."

175 Horsepower

Facing the necessity of developing an engine with large power, the engineers decided that the more satisfactory course would be to increase the number of cylinders, rather than to increase the displacement of the individual cylinders. The engine as finally designed, develops 175 brake horsepower with all accessory units in place and without the customary temperature corrections. This power is developed at a speed of 3400 R. P. M. and a maximum torque of 320 pound-feet is produced at 1400 R. P. M. The angle of the Vee is 45 degrees as this is the only angle which will give equally spaced power impulses.

"Remote Control of a Distributing Station" is the title of an article by F. Zogbaum, of the New York Edison Company. H. P. Holman, Senior Chemist of the Bureau of Chemistry and Soils of the United States Department of Agriculture discusses the application of chemistry to agriculture.

P. T. SUBSTITUTION

All freshmen wishing to substitute track for P. T. for the coming term must sign up in Mr. McCarthy's office before January 23.

Freshman Hockey Six Loses First Game to Andover

Cole at Center, and Chadwick
And Russ in Forward
Line Play Well

Playing their first game of the season Saturday afternoon, the Technology freshman hockey team lost to a heavier and more experienced Andover Academy team by a 2-0 score.

Undaunted by their lack of organization the yearlings fought with determination and carried the puck to their opponents' goal time after time.

Cole of Technology was the outstanding player of the newly formed Class of 1933 team while Chadwick and Russ in the forward line gave indications of future strength with their fast skating and accurate passes. All of the players made a fine showing, and with a sufficient amount of practice, an excellent team will be developed.

Technology lineup

The line-up was: Chadwick, right wing; Russ, left wing; Cole, center; Hapgood and Sand, defense; and Garrett, goal. Masters, Sapery, Sann, and Woodbury were substitutions. The first goal was scored by Fancett in the second period and Toleman made the second tally in the third period.

Arlington is the next opponent on the frosh schedule and the game will be played this week. In view of the potential strength shown by the team in Saturday's game, a very successful season is expected and also some fine material for the Varsity will be developed.

Wrestling Team Loses Meet to Yale

Axford and Perkins Win Bouts
For Engineers in Light
Weight Classes

Coach Ricks' grapplers took an unexpected trouncing at the hands of the Yale matmen on Saturday at New Haven, losing by the score of 24 to 6. Axford, 115-pounder on the Engineer Varsity, and parkins in the 125-pound class were the only winners. The Eli wrestlers, who were more experienced, outclassed the Engineers in nearly every match, although several of the Technology wrestlers held their opponents to time advantages.

Axford, wrestling the 115-pound class, won his match against Randolph in the overtime period. The match was close, and both men wrestled carefully, neither being able to pile up a time advantage in the regular ten minute session. In the overtime period Axford, although he had no time advantage over his man, was declared winner. Axford's opponent seemed to have had more experience, but the plucky Engineer proved too strong and agile on the mat for his Yale adversary.

In the second bout of the evening, Perkins again scored for Technology, when he won over his man with a time advantage of 8 minutes and 35 seconds. Although he was by far the better matman, Perkins was unable to turn the Yale grappler over for a fall. He took the advantage over his man in the first few minutes of wrestling, and had his opponent well in hand throughout most of the match.

In the 135-pound class, Negus, who won his match against his Harvard opponent, lost last Saturday afternoon to Whitridge of Yale by the time advantage of 6 minutes and 45 seconds. Although Negus wrestled a good match against his opponent, he was unable to break away after the Eli grappler took the advantage. The

Yale man, however was unable to turn his man over for a fall.

Cooper, Engineer 145-pounder, was thrown by Gleason of Yale in one of the upsets of the evening with a body scissors after 6 minutes and 57-seconds of wrestling. Cooper, who was a member of last year's Varsity, is one of the outstanding grapplers on this season's mat team, and his defeat by the Yale man came as a surprise to the team. The match was fast and close, the Eli man having a slight advantage over his opponent to win by a fall.

Yale scored again when Vassolotti, 155-pounder on the Technology Varsity was thrown by Sargent in 5 minutes and 15 seconds with a body scissors and half-Nelson. The Engineer wrestled a fine match against his opponent, but lacked the experience to win over his man.

Yale won the 165-pound class in the biggest upset of the meet, when Brodie of Yale defeated Captain Stone by a time advantage of 3 minutes and 6 seconds. Stone, who has shown more prowess as a matman than any other wrestler on the team, was unable to take his opponent although he tried desperately to break away and score a win to keep his record unmarred. The match was one of the most conservative of the afternoon, each man suspicious of his opponent. Both came close to scoring falls but neither was clever enough to turn his man over to end the match.

Ward, 175 pounder, came close to victory when the Yale man won by a time advantage of 1 minute and 25 sec. Ward wrestle a better match Saturday afternoon against his Yale opponent, and came close to winning his first victory.

Rotan, former guard on the Yale football team, threw Rabinov in the unlimited class. Although the Engineer had the weight advantage over his opponent, Rotan had the advantage of reach. The Yale man threw Rabinov with a half-Nelson after 3 minutes and 20 seconds of wrestling to end the meet, having a decided time advantage over the Engineer.



Pipes save no midnight oil

IF PIPES made the man, anybody at all could rise in the world just by smoking a few pounds of Edgeworth. But pipes do not make the man.

Men make the pipe—most men do. Somewhat depends on the individual, more on the pipe, and the tobacco is most important of all. Things must be congenial.

Edgeworth is a congenial tobacco, cool, slow-burning, fully flavored. Edgeworth has poise, kindly good nature, real tobacco personality — Edgeworth welcomes new friends. Many a good man has been pledged to pipes by Edgeworth alone.

Like to meet Edgeworth? Just ask with the coupon—and the postman will bring your first few pipefuls of the genuine, three years seasoned if it's a day. Our treat, if you please.

Others have found Edgeworth and quit their discontent.

So may it be with you!

EDGEWORTH

Edgeworth is a careful blend of good tobaccos — selected especially for pipe-smoking. Its quality and flavor never change. Buy it anywhere — "Ready Rubbed" or "Plug Slice"—15¢ pocket package to pound humidifier tin.

Larus & Bro. Co., Richmond, Va.
I'll try your Edgeworth. And I'll try it in a good pipe.

(Write in my name)
(and my seat of learning)
(and my postoffice and state)
Now let the Edgeworth come! V

SIMPLEX WIRES and CABLES

INSULATED WITH RUBBER
PAPER OR VARNISHED
CAMBRIC

SIMPLEX WIRE & CABLE CO

Manufacturers
201 DEVONSHIRE ST., BOSTON

BRANCH OFFICES
CHICAGO SAN FRANCISCO
NEW YORK CLEVELAND
JACKSONVILLE

NOTICES - ANNOUNCEMENTS

Of General Interest

Special Lecture for Class of 1933 Dr. Arthur D. Little '85
Monday, January 13, 3 P. M., Room 10-250

Dr. Arthur D. Little, Past President of the American Chemical Society, of the Society of Chemical Industry of Great Britain, and of the M. I. T. Alumni Association, will address a meeting of the Freshman Class on "Chemistry as a Science and Profession."
 The President requests the attendance of every member of the Class of 1933.

CALENDAR

Monday, January 13
 3:00—Freshman Lecture, Room 10-250
 7:30—Technology Catholic Club Smoker, North Hall, Walker Memorial

Tuesday, January 14
 6:00—Tech Show Rehearsal, Walker Gym
 7:30—Tau Beta Pi Dinner Meeting, Grill Room, Walker Memorial

Wednesday, January 15
 7:00—Varsity Basketball Game, Technology vs Middlebury, Hangar Gym

Thursday, January 16
 7:00—Faculty Club Party, Main Hall, Walker Memorial

Friday, January 17
 12 M—Tech Women Society Luncheon Meeting, Faculty Dining Room, Walker Memorial
 7:00—Fencing Team Meet, Walker Gym.

UNDERGRADUATE

CREW

Freshmen substituting crew for PT during the second term should sign up in Mr. McCarthy's office before 12 o'clock, noon, on Wednesday January 22nd.

CHEMICAL ENGINEERING SOCIETY

The Chemical Engineering Society will take a trip to the factories of the Ward Baking Co. and the New England Confectionery Co., on Tuesday January 14th. Those taking the trip will meet in the Main Lobby at 2 o'clock.

COLLEGE TRANSFERS

All College Transfers who are planning to take the special examination in history schedules for 1:30 P. M., Friday, January 31, but who would prefer to take it at 1:30 P. M. Tuesday January 28, are requested to sign the petition in front of the front of the Information Office immediately.

FRESHMAN TEAM PICTURE

The Freshman Tug-O-War Team picture will be taken Tuesday afternoon at five o'clock in the Institute Photographic studio below the Homberg infirmary. All members of the team are urged to report promptly.

CLASS OF 1933 TO HEAR ADDRESS BY DR. LITTLE TODAY

Chemistry is Topic of Lecture To Be Given by Noted Alumnus Today

FRESHMEN SHOULD COME

(Continued from Page 1)
 he formed a partnership with R. B. Griffin which developed into the present organization of Arthur D. Little Incorporated, Chemists and Engineers.
 Dr. Little is a life member of the Corporation, and is active in alumni affairs. Among the offices he has held are President of the American Chemical Society, President of the American Institute of Chemical Engineers, and Chairman of the committees on Conservation of Fuels and Conservation of Natural Resources of the International Chamber of Commerce. During the War he developed "dopes" for airplane coverings and invented the "suck-on" filter for protection against toxic gases, now standard equipment in the United States Army. He has also won a considerable reputation as a speaker.

SENIOR ENDOWMENT POLICY ARRANGED

Committee Headed by Rowzee Will Announce Terms Before Exams

(Continued from Page 1)
 ity, the Committee this year is striving for a response of one hundred percent by means of an energetic campaign begun before the extremely busy final term comes upon the Seniors.
 The popularity of the policy is the prime factor in the final choice of the Committee. Consideration is given to the size of the initial payment, and the moderate annual premium rates. By such an arrangement rates are obtainable which give the Institute an endowment of considerable size, at the same time providing the students a policy as favorable to them as they can obtain from outside companies. The flexibility of the terms is also considered, since each student has his preference in the amount and type of insurance he cares to assume.
 By the provision of the Committee, an insurance policy of \$1000 is the basis, with the dividends going to the Institute instead of to the applicant. At the end of 25 years, the Institute receives the accumulated dividends, and the policy-holder may receive his principal. Those who wish to take out a regular life insurance without the 25 year provision may do this if they so choose.

Talk Is Scheduled On Cable Lines

Transoceanic Cable Telegraphy Subject of Address By Mr. Coggeshall

Mr. R. F. Coggeshall, who is the General Supervisor of the Cable Systems of the Western Union Telegraph Company in New York, will deliver an address on the subject of "Transoceanic Cable Telegraphy" to students and others interested in the topic. This talk will be given at 2:00 o'clock, Monday afternoon in Room 10-275.
 In order to make his talk more interesting and to further explain the subject, Mr. Coggeshall will give a practical demonstration of the operation of cable transmitting and receiving sets. For this purpose he plans to tap the wires of the Western Union Company which serve the Institute.

INTERCOLLEGIATE BALL

Persons who are planning to attend the Annual Intercollegiate Ball to be held at the Copley Plaza Hotel on February 14th are reminded that they may secure tickets from Harmon J. Truax at THE TECH business office, and from the cashier in charge of the recreation halls at Walker Memorial basement.

S. A. E. MEMBERS

All Faculty members and student enrolled members of the Society of Automotive Engineers are asked to report to Room 11-004 next Wednesday at 4 o'clock for a group picture of the M. I. T. branch of the Society.

FRESHMAN LECTURE

The President, Samuel W. Stratton, requests the attendance of every member of the Class of 1933 at a special lecture on "The Science and Profession of Chemistry", to be given by Dr. Arthur D. Little '85 this afternoon at three o'clock in Room 10-250.

Five Events Run In Handicap Meet On Board Track

Large Number of Entrants in All Races Make Need Of Trial Heats

(Continued from Page 3)
 first semi-final heat of the 45-yard dash. Lappin's time for this race was 5 2/5 seconds. In the other semi-final race, Ladd came through to win in 5 1/5 seconds while Berman and Hughes took second and third respectively.
 In the final of the 45-yard dash, Ladd came through to win his third race in that event for the afternoon when he crossed the line in 5 2/5 seconds. Berman, with a one foot handicap, took second place. Soisalo and Lappin both started from scratch and finished in third and fourth places respectively. Rosenthal was fifth with a four-foot handicap.

Thorsen Takes 1000

Following the trials for the 45-yard dash the 1000-yard run was held. Thorsen took first place in 2 minutes, 28 seconds after starting from scratch. He was followed across the line by Masters, who was running with a 25-yard handicap. Steverman, with a 45-yard handicap, was the next man to cross the line when he took third place. Fourth was taken by Stalter, running with a 30 yard handicap. Conant took fifth place with 25 yards.

Three Trials in 600

Three trials were run in the 600-yard dash and the best times made were taken as the winning ones. Berry, starting from scratch, won the event in 1 minute, 19 seconds. Wadsworth was close behind him in time and took second place. His handicap was 5 yards. With a 10 yard handicap, McKay took third place. Jewett, starting from scratch, was fourth, while Albright took fifth with a 10-yard handicap.

Two trials were held in the 300 yard dash and the best times taken to determine the winners. Ladd started from scratch and was the fastest man, home in 34 2/5 seconds. Lappin, also starting from scratch, took second place while Hughes, with a 3-yard handicap, was third. Fourth place was taken by Kinraide with a 5-yard handicap. Mulliken took fifth place after starting from scratch.

Technology Five Defeats Norwich Before Big Crowd

Have Little Trouble in Taking Game at Hangar With Score of 39-25

(Continued from Page 1)
 eight minutes had elapsed before the first foul was called.

Norwich Rally Threatens

Norwich started a desperate rally in the second session, and the visitors score mounted violently, within several points of their opponents'. The Engineers however soon pulled away from danger and their lead was not threatened again during the game.

Both teams showed signs of tiring under the strain, and substitutes went in from both sides. Nee, star forward for Technology, going in the game for the first time in the evening. As more substitutes went in from both sides, playing slowed down considerably, and many fouls were called on both sides. As the game closed Norwich attempted several long tries at the basket without success, and the game ended M. I. T. winning 39 to 25.

This is the last game for the Engineers before examinations, their next encounter being with Middlebury vacation week. After the Middlebury game the Engineers will play the Yale team at New Haven on the Tuesday after the second term begins. They will be in good condition for the coming games as workouts will be held during vacation week in the Hangar Gym.

| M. I. T. | | G. F. P. | |
|---------------|-------|-------------------------------|---|
| Harrison, rf | ..... | 4 | 0 |
| Paul, rf | ..... | 0 | 0 |
| McDowell, lf | ..... | 3 | 3 |
| Nee, lf | ..... | 0 | 0 |
| Motter, c | ..... | 4 | 1 |
| Orr, c | ..... | 0 | 0 |
| Nelson, rg | ..... | 2 | 0 |
| Johnson, rg | ..... | 0 | 1 |
| Lawson, lg | ..... | 4 | 0 |
| Dickinson, lg | ..... | 0 | 0 |
| Totals | ..... | 17 | 5 |
| NORWICH | | G. F. P. | |
| Teachout, lg | ..... | 2 | 3 |
| Grandy, rg | ..... | 0 | 1 |
| Kane, rg | ..... | 0 | 0 |
| Viether, c | ..... | 1 | 1 |
| Sipsey, lf | ..... | 3 | 1 |
| Hartford, rf | ..... | 2 | 3 |
| Totals | ..... | 8 | 9 |
| Referee | ..... | Kelleher. Time — 20m. halves. | |

SHOTPUTTERS TAKE FIRST AND SECOND IN Y. M. C. A. MEET

Grondal Wins Event With Put Of 42 Ft. 2 In. With 2 Ft. Handicap

THIRD IN HIGH JUMP

Bror Grondal and Dahl-Hansen were the outstanding Technology performers at the Boston Y. M. C. A. indoor track and field meet held at the Huntington Avenue Y. M. C. A. building Saturday night. These two men took first and second respectively in the handicap shot put from a field of well known track stars. Sullivan took third place in the only other event in which the Engineers participated, the high jump.

Three Engineers in Shot Put

Three Engineers were entered in the shot put. They were Grondal, Dahl-Hansen, and Bailey. Of these three men two made high enough marks in the preliminary puts to place them in the final. It was at first erroneously announced that Bailey had also made the grade but it was later found that his mark was a few inches short of the distance necessary.

Four Enter Finals

Four men entered the finals of this event with three puts each to determine the winner. They were; Grondal, M. I. T., Dahl-Hansen, M. I. T., Quirk, Huntington, and Plansky, unattached. With a handicap of two feet, Grondal put the shot for an accredited distance of 43 feet, 2 inches to nose out his teammate, Dahl-Hansen, for first place. Dahl-Hansen's accredited distance was 42 feet, 3 1/2 inches, made with a handicap of 2 feet, 3 inches. Following the two Technology stars came Quirk of Huntington to take third place with an accredited distance of 42 feet, 1 inch.

Sullivan Scores in High Jump

In the high jump, Sullivan was the only Technology man to score. He was in third place behind Morang of Northeastern and Robinson of the B. A. A. Morang, starting from scratch won first place with a jump of 5 feet 11 inches Robinson took second place with an accredited jump of 5 feet 10 inches, made with a handicap of 1 1/2 inches. Sullivan, with a handicap of 1 inch, was in third place with an accredited height of 5 feet, 10 inches. Coon and Benjamin both dropped out of competition at 5 feet 8 inches, while Zigler was forced out at 5 feet 7 inches. Butkis was forced out early in the competition and did not enter in the final scoring.

BETTER FOOD Means a Better Year

THE ESPLANADE

Cafeteria offers it to you by **GOOD SERVICE AND CLEANLINESS**

Save 10% by using our Coupon Books
23-25 Massachusetts Ave. at Beacon Street

SELECTED GRADES

Anthracite and Bituminous

COAL

BURTON-FURBER COAL COMPANY
 50 Congress St.

Walton Lunch Co.

420 Tremont Street
 629 Washington Street
 30 Haymarket Square
 6 Pearl Street
 242 Tremont Street
 1083 Washington Street
 44 Scollay Square
 332 Massachusetts Avenue
 19 School Street
 437 Boylston Street
 1080 Boylston Street
 34 Bromfield Street
 540 Commonwealth Avenue
 204 Dartmouth Street

Allston

1215 Commonwealth Avenue
 Cambridge
 78 Massachusetts Avenue

EVENTS

FROM THEN 'TIL NOW

will be outlined in WEDNESDAY'S SPECIAL 16 PAGE EDITION OF

THE TECH

This Issue Will Contain Resumes of the Growth of Technology, Growth of Student Activities and Sports, and Plans for such Future Developments as an Enlarged Walker Memorial and a New Athletic Center. . . Of course the Regular Ration of News and Sports Articles is Included. . . AND All This May be Had for **One Coupon or a Nickel . . .**
 The Price of the Regular Issue.

Those Who can "Figger" Will Get to the News Stands Before the "Sold Out" Sign Goes up.

THASS ALL